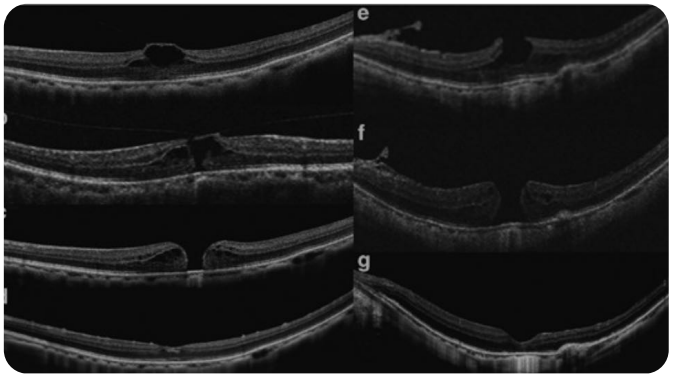


KEY FEATURES:

- ISO 10993 Biocompatibility Testing
- Sterilization Validation
- Lot to Lot Sterility Testing
- Viral Inactivation Validation
- Robust In vitro Comparative Characterization including
- Residual DNA Quantification, Biomechanical (uniaxial, stuture
- pullout, ball burst), SEM, Histological, Immunohistochemical,
- SDS Page, cell culture analysis & Degradation Analysis

SPECIFICATIONS:

Product Code	Descriptions	Qty. Per Box
AOPL/MS-500-50	Diameter 500 micron, 50 micron thick	1 Pc. (Sterile)
AOPL/MS-1000-50	Diameter 1000 micron, 50 micron thick	1 Pc. (Sterile)
AOPL/MS-1500-50	Diameter 1500 micron, 50 micron thick	1 Pc. (Sterile)
AOPL/MS-2000-50	Diameter 2000 micron, 50 micron thick	1 Pc. (Sterile)
AOPL/MS-500-100	Diameter 500 micron, 100 micron thick	1 Pc. (Sterile)
AOPL/MS-1000-100	Diameter 1000 micron, 100 micron thick	1 Pc. (Sterile)
AOPL/MS-1500-100	Diameter 1500 micron, 100 micron thick	1 Pc. (Sterile)
AOPL/MS-2000-100	Diameter 2000 micron, 100 micron thick	1 Pc. (Sterile)

DUAL LAYER PACK

APPROVED BY:

BSCIC NABCB ISO 9001 REGISTERED

GMP Quality Good Manufacturing Practice Certification

CDSCO

MAKE IN INDIA

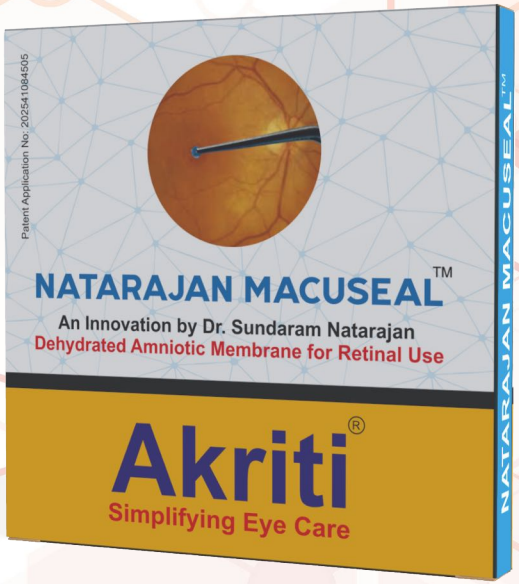
Akriti®
Simplifying Eye Care

Innovation in Retinal Surgery

NATARAJAN MACUSEAL™

An Innovation by Dr. Sundaram Natarajan

DEHYDRATED AMNIOTIC MEMBRANE FOR RETINAL USE



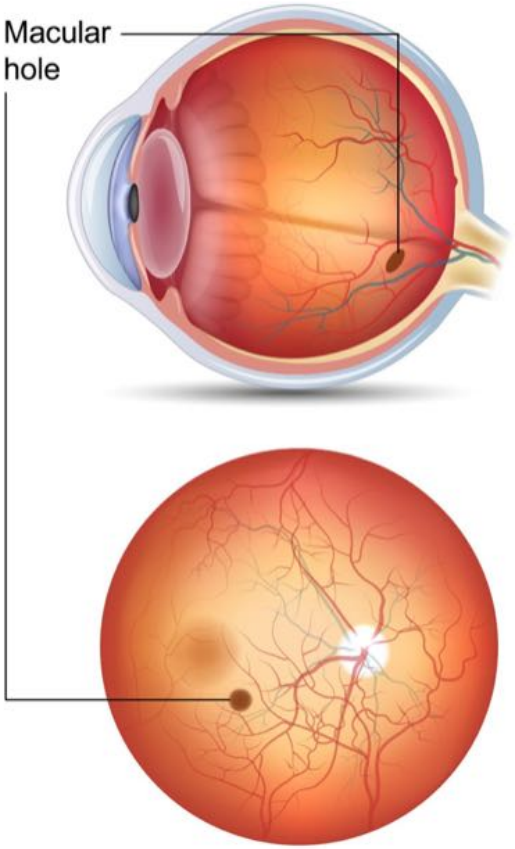
WORLD'S FIRST DESSICATED AMNIOTIC MEMBRANE FOR MACULAR HOLES, GIANT RETINAL TEARS (GRT), AND OPTIC PIT CLOSURE.

NATARAJAN MACUSEAL™

An Innovation by Dr. Sundaram Natarajan

DEHYDRATED AMNIOTIC MEMBRANE FOR RETINAL USE

Macular Hole Repair



Natarajan Macuseal™: Advanced Dehydrated Amniotic Membrane Technology for Retinal Repair Overview Natrajan Macuseal™, sourced from the innermost layer of the placenta, is a biologically active graft tailored for ophthalmic applications. Its unique properties position it as an exceptional tool in complex retinal surgeries:

✧ **Anti-inflammatory and anti-fibrotic**: Ensures better outcomes of the -postoperative scarring
✧ **Promotes epithelial healing:** Accelerates tissue recovery
✧ **Immune-privileged:** Minimizes adjacent tissues reaction
✧ **Regenerative scaffold:** Supports cellular adhesion, proliferation, and migration

Application: Macular Hole (MH) Closure Ideal for refractory, large, or high myopia-associated MHs—especially where conventional ILM flap techniques have limited success.

SURGICAL TECHNIQUE:

- The membrane is trimmed and placed at the MH site either:
  - Inlay (plug) – within the hole
  - Overlay – covering the defect
- Choice depends on anatomical context and surgical preference.

MECHANISM OF ACTION:

- Provides a scaffold for gliosis and photoreceptor migration
- Facilitates retinal tissue regeneration and integration
- Potentially improves closure rates and functional outcomes

CLINICAL BENEFITS

- Improved outcomes in chronic or persistent MH cases
- Fewer surgical re-interventions

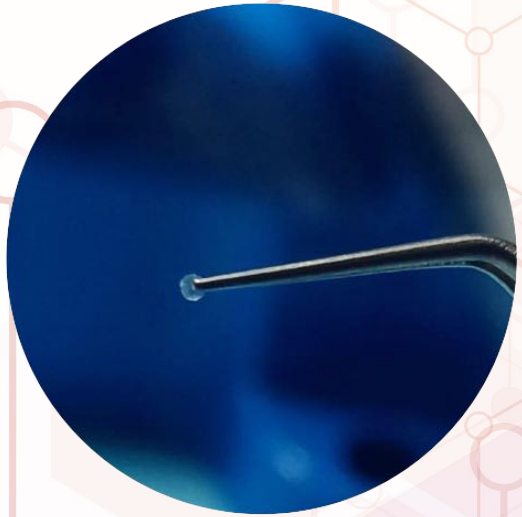
RETINAL DETACHMENT REPAIR

Macuseal is currently explored as a barrier or adjunct in complex cases involving:

- Proliferative vitreoretinopathy (PVR)
- Giant retinal tears or posterior pole defects
- Prevention of subretinal fibrosis and RPE migration support.

CLINICAL IMPACT & FUTURE DIRECTIONS

- Studies have shown >85% anatomical closure rates in refractory MHs using AM.
- May be customized with stem cell enhancement or bioengineering for future therapeutic advances.
- Biodegradable and non-toxic, reducing long-term complications.



500 MICRON MACUSEAL READY TO BE USE IN MACULAR SURGERY

KEY FEATURES OF AMNIO-DISC™

Validated for Safety, Performance & Global Compliance

Amnio-Disc™ undergoes rigorous testing and validation to ensure unmatched safety, consistency, and clinical efficacy. Each graft is backed by robust scientific characterization and quality assurance protocols.

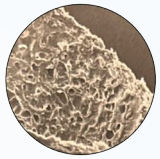
BIOCOMPATIBILITY & STERILITY ASSURANCE

- ISO 10993 Biocompatibility Testing
- Verified for cytotoxicity, sensitization, irritation, and systemic safety.
- Sterilization Validation
- Ensures complete microbial inactivation while preserving graft integrity.
- Lot-to-Lot Sterility Testing
- Guarantees consistency and contamination-free performance across production batches.
- Viral Inactivation Validation
- Confirms effective removal of viral contaminants for safe clinical use.

ADVANCED IN VITRO CHARACTERIZATION

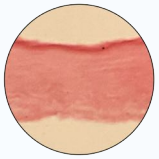
Comprehensive laboratory analyses confirm structural, biochemical, and functional integrity:

- Residual DNA Quantification
- Ensures complete decellularization and minimizes immunogenic risk.
- Biomechanical Testing
- Includes uniaxial tension, suture pullout, and ball burst strength assessments.
- Surface & Structural Analysis
  - Scanning Electron Microscopy (SEM)
  - Histological & Immunohistochemical Profiling
- Protein & Cellular Evaluation
  - SDS-PAGE for protein integrity
  - Cell culture assays for biological compatibility
  - Degradation analysis for long-term performance



Hematoxylin and eosin (H&E) staining of processed tissue shows the deceullularization of a two- layered structure still containing preserved ECM

Scanning Electron Microscopy of Surface morphology & topology.



Coll IV staining indicating preserved basement membrane Structure.

SPECIFICATIONS:

Product Code	Descriptions	Qty. Per Box
AOPL/AMD/A10D6	6mm, 50 Micron	1 Pc. (Sterile)
AOPL/AMD/A10D8	8mm, 50 Micron	1 Pc. (Sterile)
AOPL/AMD/A10D10	10mm, 50 Micron	1 Pc. (Sterile)
AOPL/AMD/A10D12	12mm, 50 Micron	1 Pc. (Sterile)
AOPL/AMD/A10D14	14mm, 50 Micron	1 Pc. (Sterile)
AOPL/AMD/A10D16	16mm, 50 Micron	1 Pc. (Sterile)

APPROVED BY:

BSCIC NABCB ISO 9001 REGISTERED

GMP Quality

CDSCO

MAKE IN INDIA

Akriti®
Simplifying Eye Care

Amnio-Disc™

Dehydrated Amniotic Membrane Disc for Advance Corneal Healing

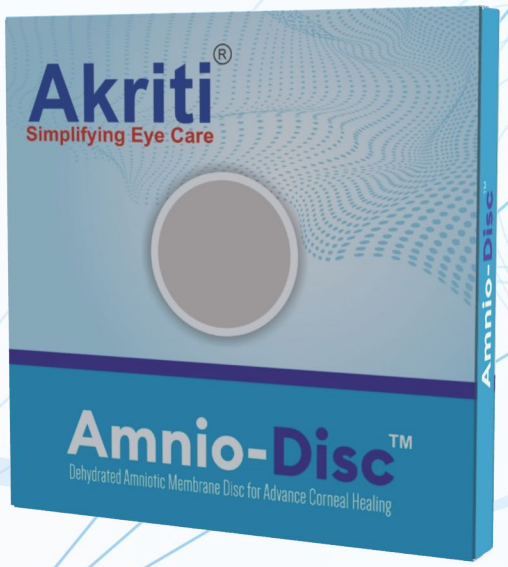
Precision-Engineered for Optimal Surgical & Non-Surgical Application

Next-Generation Amniotic Membrane Graft for Ophthalmic & Wound Care

Amnio-Disc™ is a single-layer, biologically active amnion graft, meticulously processed and precision-cut into ellipse or disc configurations. Designed for versatility across surgical and non-surgical settings, its geometry is optimized to:

- **Maximize usable surface area**
- **Ensure broad anatomical coverage**
- **Minimize pre-operative handling**

This streamlined format supports efficient graft placement, reduces surgical complexity, and enhances procedural precision, empowering clinicians with a reliable, ready-to-use solution for ocular surface reconstruction, glaucoma management, and wound healing.



Precision-Cut Amniotic Tissue for Advanced Ophthalmic Applications

Amnio-Disc™

Advanced Amniotic Membrane for Ocular Healing

SETTING NEW STANDARDS IN OCULAR BIOLOGICS

- Acellular & Biocompatible
- Purified to eliminate cellular components, ensuring safe and effective tissue integration.
- Sterile & Ready-to-Use
- Processed under stringent quality controls for a contamination-free surgical experience.
- Extended Shelf Life – 5 Years
- Maintains structural integrity and therapeutic efficacy without degradation over time.
- Room Temperature Storage
- No refrigeration required—enhancing ease of handling, transport, and accessibility.
- Precision-Configured for Consistency
- Each graft is meticulously shaped for uniformity, enabling predictable and reproducible surgical outcomes.

APPLICATIONS

Amnio-Disc™ is engineered for precision and therapeutic efficacy across a range of ocular surface procedures. It harnesses the regenerative potential of amniotic tissue to:

- Enhance healing
- Minimize post-operative complications
- Optimize surgical outcomes

KEY FUNCTIONAL BENEFITS

- Potent Anti-Inflammatory Action
- Soothes damaged tissue and reduces inflammation, promoting faster recovery.
- Natural Anti-Microbial Properties
- Creates a biologically protective barrier to minimize infection risks.
- Scar Modulation
- Regulates fibroblast activity to prevent excessive scarring and support smooth tissue regeneration.
- Adhesion Prevention
- Limits unwanted tissue adhesions, preserving anatomical functionality.
- Accelerated Healing & Epithelial Repair
- Promotes epithelialization for faster wound closure and improved patient outcomes.
- Enhanced Fibrogenesis & Angiogenesis
- Stimulates collagen synthesis and vascular growth, ensuring robust tissue integration.

CLINICAL IMPACT

Amnio-Disc™ represents a breakthrough in biological wound management and ophthalmic care. Its bioactive properties align with natural healing processes, empowering clinicians with a reliable, advanced solution that sets new benchmarks in:

- Utility
- Safety
- Clinical effectiveness

Instructions for Use: Amnio-Disc™

Processed, Sterilized Human Amniotic Membrane Allograft

PRODUCT DESCRIPTION

Amnio-Disc™ is a sterile, processed allograft derived from the innermost layer of the human placenta—the amniotic membrane. It is naturally avascular and comprises:

- Epithelial layer
- Sub-adjacent stromal layer
- Basement membrane: rich in reticular fibers, structurally similar to conjunctival tissue

Its inherent transparency, elasticity, and biological compatibility make Amnio-Disc™ a preferred choice for ocular surface reconstruction. The membrane is processed under stringent quality management systems to ensure safety, sterility, and clinical efficacy.

INDICATIONS FOR USE

Amnio-Disc™ is indicated for surgical reconstruction of:

- Corneal surface
- Conjunctival surface
- Extensive ocular surface injuries

Available in round sizes: 6 mm, 8 mm, 10 mm.12mm, 14mm

SURGICAL TECHNIQUES

1. **Corneal Surface Reconstruction**
   - Preparation: Debride cellular debris or exudates from the corneal defect.
   - **Application:**
     - Apply Amnio-Disc™ in dry form directly over the cornea.
     - Adheres via capillary action.
   - **Fixation:**
     - Cover with a Bandage Contact Lens (BCL).
     - Optionally, use fibrin glue for enhanced adherence.
2. **Conjunctival Surface Reconstruction**
   - Preparation: Excise pathological sub-conjunctival tissue thoroughly.
   - Fixation:
     - Use fibrin glue to anchor Amnio-Disc™ to the conjunctiva.
     - Alternatively, secure with 9-0 or 10-0 vicryl sutures to accommodate rapid conjunctival healing.
3. **Ocular Surface Reconstruction (Severe Injury)**
   - Preparation:
     - Meticulous dissection of fibrotic tissue is essential.
   - Anchorage:
     - Place Amnio-Disc™ on the ocular surface.
     - Anchor to the inner surface of the averted lower lid using interrupted absorbable sutures.
     - Pass sutures through the inferior fornix, traversing the full eyelid thickness and exiting through the skin.
   - Peripheral Fixation:
     - Use a continuous 10-0 nylon suture to encircle and secure the membrane at the limbus or peripheral cornea (360°).
     - Fibrin glue may be applied for additional stability.

Precautions & Handling

- Ensure sterile handling throughout the procedure.
- Do not reuse or resterilize.
- Store as per manufacturer's guidelines.

GLAUCOMA SURGERY APPLICATIONS

Amnio-Disc™ in Glaucoma Management

Amnio-Disc™ serves as a versatile biological graft in glaucoma procedures, offering protective coverage and promoting tissue healing in high-risk ocular environments.

Surgical Applications

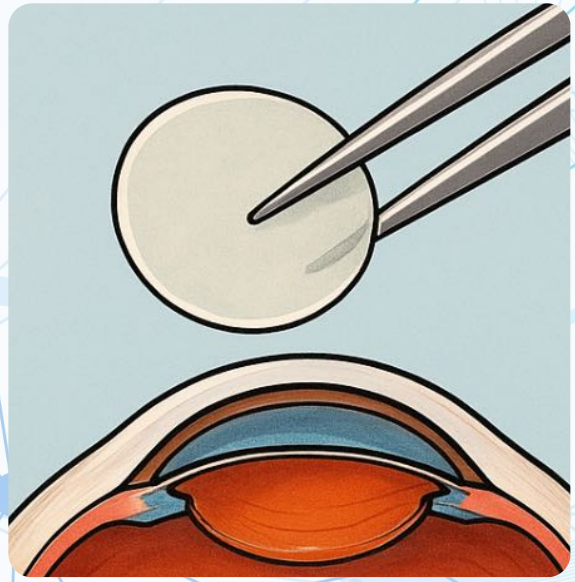
- Tube Coverage for Glaucoma Drainage Devices
- Applied over the drainage tube to prevent conjunctival erosion. Secured using 8-0 vicryl sutures for optimal stability.
- Adjunct Tissue in Graft Combinations
- Can be used alongside scleral or pericardial grafts to reinforce structural integrity and enhance healing.
- Bleb Revisions & Leak Management
- Suitable for standalone use in bleb revisions or as a covering for leaking blebs.
- Fibrin glue may be used as an adjunct sealant to improve graft adherence and watertight closure.

Postoperative Management

- Topical Antibiotics
- Broad-spectrum antibiotic drops are recommended for 1–2 weeks, until epithelial healing is complete.
- Topical Steroids
- Administered for 6–8 weeks in tapering doses to control surface inflammation and support recovery.
- Systemic Immunosuppression
- Not required, simplifying postoperative care and reducing systemic risk.

Handling Precautions

- Discard any damaged, mishandled, or potentially contaminated grafts immediately.



Key Features of Amnio-Patch™
Validated for Safety, Performance & Global Compliance

Amnio-Patch™ undergoes rigorous testing and validation to ensure unmatched safety, consistency, and clinical efficacy. Each graft is backed by robust scientific characterization and quality assurance protocols.

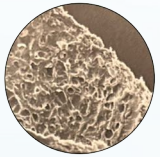
Biocompatibility & Sterility Assurance

- ISO 10993 Biocompatibility Testing
- Verified for cytotoxicity, sensitization, irritation, and systemic safety.
- Sterilization Validation
- Ensures complete microbial inactivation while preserving graft integrity.
- Lot-to-Lot Sterility Testing
- Guarantees consistency and contamination-free performance across production batches.
- Viral Inactivation Validation
- Confirms effective removal of viral contaminants for safe clinical use.

Advanced In Vitro Characterization

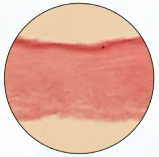
Comprehensive laboratory analyses confirm structural, biochemical, and functional integrity:

- Residual DNA Quantification
- Ensures complete decellularization and minimizes immunogenic risk.
- Biomechanical Testing
- Includes uniaxial tension, suture pullout, and ball burst strength assessments.
- Surface & Structural Analysis
  - Scanning Electron Microscopy (SEM)
  - Histological & Immunohistochemical Profiling
- Protein & Cellular Evaluation
  - SDS-PAGE for protein integrity
  - Cell culture assays for biological compatibility
  - Degradation analysis for long-term performance



Hematoxylin and eosin (H&E) staining of processed tissue shows the deceullularization of a two- layered structure still containing preserved ECM

Scanning Electron Microscopy of Surface morphology & topology.



Coll IV staining indicating preserved basement membrane Structure.

SPECIFICATIONS:

Product Code	Descriptions	Qty. Per Box
AOPL/AMD/A2.D	2 cm X 2 cm 50 Micron,	1 Pc. (Sterile)
AOPL/AMD/A3.D	3 cm X 3 cm 50 Micron,	1 Pc. (Sterile)
AOPL/AMD/A4.D	4 cm X 4 cm 50 Micron,	1 Pc. (Sterile)
AOPL/AMD/A5.D	5 cm X 5 cm 50 Micron,	1 Pc. (Sterile)
AOPL/AMD/A6.D	6 cm X 6 cm 50 Micron,	1 Pc. (Sterile)
AOPL/AMD/A7.D	10 cm X 6 cm 50 Micron,	1 Pc. (Sterile)
AOPL/AMD/A8.D	8 cm X 6 cm 50 Micron,	1 Pc. (Sterile)
AOPL/AMD/A9.D	10 cm X 4 cm 50 Micron,	1 Pc. (Sterile)
AOPL/AMD/A10.D	1 cm X 1 cm 100 Micron,	1 Pc. (Sterile)
AOPL/AMD/A11.D	2 cm X 2 cm 100 Micron with chorion,	1 Pc. (Sterile)
AOPL/AMD/A12.D	3 cm X 3 cm 100 Micron with chorion,	1 Pc. (Sterile)
AOPL/AMD/A13.D	4 cm X 4 cm 100 Micron with chorion,	1 Pc. (Sterile)
AOPL/AMD/A14.D	5 cm X 5 cm 100 Micron with chorion,	1 Pc. (Sterile)
AOPL/AMD/A15.D	6 cm X 6 cm 100 Micron with chorion,	1 Pc. (Sterile)

Akriti®
Simplifying Eye Care

Amnio-Patch™

Dehydrated Amnio-Patch for Advance Wound Healing Dressing Patch

Amnio-Patch™ harnesses the innate healing power of the human amniotic membrane—a biologically active, avascular tissue rich in growth factors, anti-inflammatory agents, and anti-fibrotic proteins. Its unique composition makes it an ideal scaffold for tissue regeneration across multiple medical specialties.

Why Amnio-Patch™?

- Regenerative Potential: Stimulates cellular proliferation and tissue remodeling.
- Anti-Inflammatory Action: Modulates immune response and reduces local inflammation.
- Scar Minimization: Inhibits excessive fibrosis, promoting smooth tissue repair.
- Antimicrobial Barrier: Provides passive protection against infection.
- Moisture Retention: Maintains a hydrated healing environment

Key Medical Applications
Ophthalmology

- Facilitates ocular surface reconstruction in corneal ulcers, conjunctival defects, and pterygium excision.
- Promotes epithelial healing in severe dry eye, chemical injuries, and post-surgical recovery.

Wound Healing

- Accelerates regeneration in chronic wounds, diabetic foot ulcers, venous leg ulcers, and pressure sores.
- Reduces fibrosis and pain in partial-thickness burns and complex traumatic wounds.

Amnio-Patch™

Advanced Amniotic Membrane for Ocular Healing

SETTING NEW STANDARDS IN OCULAR BIOLOGICS

- Acellular & Biocompatible
- Purified to eliminate cellular components, ensuring safe and effective tissue integration.
- Sterile & Ready-to-Use
- Processed under stringent quality controls for a contamination-free surgical experience.
- Extended Shelf Life – 5 Years
- Maintains structural integrity and therapeutic efficacy without degradation over time.
- Room Temperature Storage
- No refrigeration required—enhancing ease of handling, transport, and accessibility.
- Precision-Configured for Consistency
- Each graft is meticulously shaped for uniformity, enabling predictable and reproducible surgical outcomes.

APPLICATIONS

Amnio-Patch™ is engineered for precision and therapeutic efficacy across a range of ocular surface procedures. It harnesses the regenerative potential of amniotic tissue to:

- Enhance healing
- Minimize post-operative complications
- Optimize surgical outcomes

KEY FUNCTIONAL BENEFITS

- Potent Anti-Inflammatory Action
- Soothes damaged tissue and reduces inflammation, promoting faster recovery.
- Natural Anti-Microbial Properties
- Creates a biologically protective barrier to minimize infection risks.
- Scar Modulation
- Regulates fibroblast activity to prevent excessive scarring and support smooth tissue regeneration.
- Adhesion Prevention
- Limits unwanted tissue adhesions, preserving anatomical functionality.
- Accelerated Healing & Epithelial Repair
- Promotes epithelialization for faster wound closure and improved patient outcomes.
- Enhanced Fibrogenesis & Angiogenesis
- Stimulates collagen synthesis and vascular growth, ensuring robust tissue integration.

CLINICAL IMPACT

Amnio-Patch™ represents a breakthrough in biological wound management and ophthalmic care. Its bioactive properties align with natural healing processes, empowering clinicians with a reliable, advanced solution that sets new benchmarks in:

- Utility
- Safety
- Clinical effectiveness

Amnio-Patch™ in Ophthalmology

Amnio-Patch™ is a processed, sterilized human amniotic membrane allograft, derived from the innermost layer of the fetal membrane of the placenta. It is avascular, comprising an epithelial layer and a sub-adjacent stromal layer. The basement membrane, rich in reticular fibers, closely resembles that of the conjunctiva, offering transparency, elasticity, and structural integrity ideal for ocular surface reconstruction.

CORNEAL SURFACE RECONSTRUCTION

- Indication: Non-healing epithelial defects, ulcers, or post-traumatic corneal damage.
- Graft Size: Available in 3×3 cm and 5×5 cm formats.
- Technique:
  - Debride cellular debris or exudates from the corneal defect.
  - Apply Amnio-Patch™ in dry form as an inlay graft.
  - The membrane adheres via capillary action.
  - Overlay with a Bandage Contact Lens (BCL).
  - Fibrin glue may be used to enhance graft stability.

CONJUNCTIVAL SURFACE RECONSTRUCTION

- Indication: Pterygium excision, symblepharon release, or conjunctival defects.
- Technique:
  - Excise pathological sub-conjunctival tissue.
  - Anchor Amnio-Patch™ using fibrin glue or 9-0/10-0 vicryl sutures.
  - Ensure smooth apposition to promote rapid epithelialization.

OCULAR SURFACE RECONSTRUCTION

- Indication: Severe ocular burns, Stevens-Johnson syndrome, or extensive surface damage.
- Technique:
  - Meticulous dissection of fibrotic tissue.
  - Place Amnio-Patch™ over the ocular surface.
  - Anchor to the inner surface of the averted lower lid using interrupted absorbable sutures.
  - Pass sutures through the full eyelid thickness, exiting through the skin.
  - Use a continuous 10-0 nylon suture to secure the membrane circumferentially at the limbus or peripheral cornea.
  - Fibrin glue may be applied for additional fixation.

GLAUCOMA SURGERY

- Indication: Tube coverage, bleb revision, or leak management.
- Technique:
  - Cover the drainage tube with Amnio-Patch™ using 8-0 vicryl sutures.
  - May be used alone or in combination with scleral/pericardial grafts.
  - Fibrin glue can be applied as an adjunct sealant.

Postoperative Management

- Topical Antibiotics: Broad-spectrum, for 1–2 weeks until epithelial healing.
- Topical Steroids: Tapered over 6–8 weeks to control inflammation.
- Systemic Immunosuppression: Not required.

Amnio-Patch™ for Wound Healing Applications

KEY BENEFITS

- Accelerated Healing: Delivers essential growth factors that stimulate cell proliferation and wound closure.
- Anti-Inflammatory Action: Reduces local inflammation and pain, enhancing patient comfort.
- Scar Reduction: Minimizes fibrosis and hypertrophic scarring.
- Infection Control: Acts as a natural antimicrobial barrier.
- Moisture Retention: Maintains a hydrated wound environment conducive to healing.
- Broad Utility: Suitable for chronic wounds, burns, surgical sites, and traumatic injuries.

CLINICAL APPLICATIONS

Amnio-Patch™ has demonstrated efficacy in managing:

- Diabetic Foot Ulcers
- Venous Leg Ulcers
- Pressure Sores
- Post-Surgical Wounds
- Partial-Thickness Burns
- Complex Traumatic Wounds
- Lower Extremity Soft Tissue Repair (e.g., fasciitis, tendonitis)

INDICATIONS FOR USE

- Chronic Wounds: Apply directly to debrided wound bed. Secure with secondary dressing.
- Burns: Place over partial-thickness burns to reduce pain and promote epithelialization.
- Surgical Wounds: Use post-operatively to enhance healing and minimize scarring.
- Traumatic Wounds: Effective in wounds with exposed tendon, bone, or fascia.
- Lower Limb Repair: Supports regeneration in soft tissue injuries of the foot and leg.

HANDLING PRECAUTIONS

- Use aseptic technique during application.
- Discard any damaged, mishandled, or potentially contaminated grafts.
- Do not re-sterilize or reuse.

Key Features of Amnio-Ring-™

Validated for Safety, Performance & Global Compliance

Amnio-Ring ™ undergoes rigorous testing and validation to ensure unmatched safety, consistency, and clinical efficacy. Each graft is backed by robust scientific characterization and quality assurance protocols.

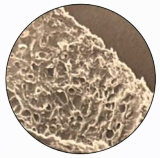
Biocompatibility & Sterility Assurance

- ISO 10993 Biocompatibility Testing
- Verified for cytotoxicity, sensitization, irritation, and systemic safety.
- Sterilization Validation
- Ensures complete microbial inactivation while preserving graft integrity.
- Lot-to-Lot Sterility Testing
- Guarantees consistency and contamination-free performance across production batches.
- Viral Inactivation Validation
- Confirms effective removal of viral contaminants for safe clinical use.

Advanced In Vitro Characterization

Comprehensive laboratory analyses confirm structural, biochemical, and functional integrity:

- Residual DNA Quantification
- Ensures complete decellularization and minimizes immunogenic risk.
- Biomechanical Testing
- Includes uniaxial tension, suture pullout, and ball burst strength assessments.
- Surface & Structural Analysis
  - Scanning Electron Microscopy (SEM)
  - Histological & Immunohistochemical Profiling
- Protein & Cellular Evaluation
  - SDS-PAGE for protein integrity
  - Cell culture assays for biological compatibility
  - Degradation analysis for long-term performance



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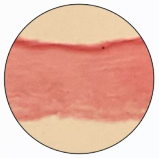


Coll IV staining indicating preserved basement membrane Structure.

SPECIFICATIONS:

Product Code	Descriptions	Qty. Per Box
AOPL/AMD/R13	13 mm 50 Micron (Outer Dia : 20mm Inner Dia 13mm	1 Pc. (Sterile)
AOPL/AMD/R14	14 mm 50 Micron (Outer Dia : 23mm Inner Dia 14mm	1 Pc. (Sterile)
AOPL/AMD/R15	15 mm 50 Micron (Outer Dia : 25mm Inner Dia 15mm	1 Pc. (Sterile)
AOPL/AMD/ R-273523-50	27mmX 3.5mmX 23.5mm, 50 Micron,	1 Pc. (Sterile)
AOPL/AMD/ R-293526-50	29mmX 3.5mmX 26.5mm,50 Micron	1 Pc. (Sterile)
AOPL/AMD/ R-313529-50	31mmX 3.5mmX 29.5mm ,50 Micron	1 Pc. (Sterile)

Akriti®
Simplifying Eye Care

Amnio-Ring™

Dehydrated Amniotic Membrane Ring for Advance Corneal Healing

Amnio-Ring: Healing Through Nature & Innovation

PATENTED

What Is Amnio-Ring?

Amnio-Ring is a specially processed amniotic membrane designed to support ocular healing and restoration. Sourced ethically from placental tissue, it contains vital proteins and growth factors that aid in tissue repair and regeneration.

Patent Pending

INDICATIONS FOR USE

Amnio-Ring is clinically used to treat a wide range of ocular surface disorders, including:

- Chronic dry eye
- Steven Johnson Syndrome
- Keratitis (inflammation of the cornea)
- Corneal scars
- Chemical or thermal burns
- Corneal epithelial defects
- Partial limbal stem cell deficiency

HOW IT WORKS

Amnio-Ring harnesses the natural healing properties of the amniotic membrane:

- Anti-inflammatory action reduces ocular surface irritation.
- Anti-scarring effects help preserve corneal clarity.
- Growth factors stimulate epithelial regeneration and repair.

POSSIBLE SIDE EFFECTS

- Mild foreign body sensation (non-painful)
- Temporary clouding of vision during treatment

These effects are typically transient and resolve as healing progresses.

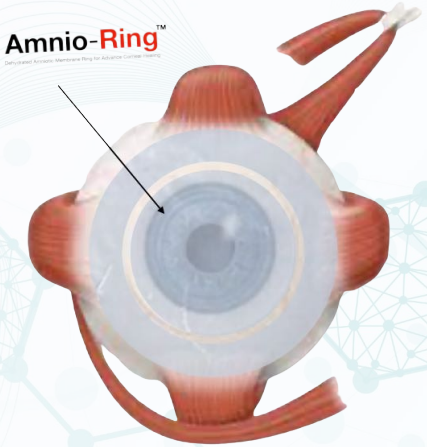
GAMMA RADIATION STERILIZATION: SAFETY MEETS EFFICACY

Amnio-Ring undergoes advanced gamma radiation sterilization to ensure clinical safety and product integrity:

- Superior Microbial Elimination: Effectively neutralizes bacteria, viruses, and fungi.
- Preserved Bioactivity: Optimized dosing retains essential regenerative properties.
- Extended Shelf Stability: Prevents contamination and supports long-term storage.
- Validated Sterility Assurance: Complies with global medical device standards.

Amnio-Ring™

Dehydrated Amniotic Membrane Ring for Advance Corneal Healing



DIRECTIONS FOR USE: AMNIO-RING

Preparation

- Review patient history and confirm indication for use.
- Instill appropriate topical anesthetic drops.
- Maintain a sterile field throughout the procedure.
- Open the sterile pack and gently retrieve the Amnio-Ring using sterile forceps.

PLACEMENT OVER THE CORNEA

1. Retract the upper and lower eyelids gently.
2. Place the Amnio-Ring directly onto the corneal surface.
3. Ensure the ring is centered; it will naturally conform to the corneal curvature.
4. Advise the patient to minimize blinking initially.
5. Monitor ring stability and centration post-placement.

PLACEMENT INSIDE THE CONJUNCTIVAL SAC

1. Retract the lower eyelid to expose the inferior fornix.
2. Insert the Amnio-Ring into the lower conjunctival sac.
3. Allow it to settle naturally without folding or distortion.
4. Reposition the eyelid and confirm stable placement.

DURATION OF USE

- The Amnio-Ring may remain in place for 5–7 days, depending on clinical severity and healing response.
- Schedule follow-up evaluations every 48 hours or as clinically indicated.

PRECAUTIONS & WARNINGS

- Single-use only. Do not reuse or resterilize.
- Contraindicated in active ocular infections.
- If dislodged prematurely, assess tissue response and reapply if necessary.
- Monitor for signs of irritation, hypersensitivity, or infection.

STORAGE GUIDELINES

- Store in a cool, dry place away from direct sunlight.
- Maintain packaging integrity until point of use.
- Recommended storage temperature: 15°C to 25°C.